AMRITPREET SINGH

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Technical Skills

Languages: C#, JavaScript, Python, Java, C, HTML/CSS, SQL, Bash, Batch, TypeScript
Technologies/Frameworks: .NET Core, React, React Native, Redux, SCSS, Linux, Firebase, AWS, Flask, Node, Jest

Experience

Element 74   **May 2021 – Present**
SaaS Application Developer   *Cape Girardeau, MO*
- Developed a patient management application using React, .NET Core, Firebase and Redux.
- Developed an innovative and responsive e-commerce application using React, Firebase, SCSS and TypeScript.

Southeast Missouri State University   **Aug. 2020 – May 2021**
Graduate Assistant   *Cape Girardeau, MO*
- Developed an open source C library for efficient tensor computations, decomposition and storage.
- Developed an automated grading system for student homeworks using Python.
- Developed a user-friendly Conversation Recommendation System (Chatbot) to answer prospective and current students' questions about the program.
- Assisted with teaching Assembly Language, Boolean Algebra and Logic Gates for Computer Architecture.

IPE Global   **June 2018 – Aug. 2018**
I.T. and E-governance Intern   *New Delhi, India*
- Developed a project management system for the UP State Government using PHP CodeIgniter and MySQL.
- Gave a presentation to the client (UP State Government) at 18 years old.

Education

Southeast Missouri State University(3.9GPA)   **Aug. 2019 – May 2022**
Master of Applied Computer Science   *Cape Girardeau, MO*

Webster University(3.66GPA)   **Aug. 2016 – May 2019**
Bachelor of Computer Science   *St. Louis, MO*

Relevant Coursework

- Data Structures
- Web Development
- UI/UX
- Database Management
- Artificial Intelligence
- Machine Learning
- Operating Systems
- Computer Architecture

Projects

StockHaus | *React, TypeScript, Firebase, SCSS*   **May 2021**
- Developed a fully responsive e-commerce application using React, TypeScript, Firebase and SCSS.

Algos | *.NET Core, React, Firebase*   **May 2021**
- Developed a fully responsive patient management application for clients using React, Redux, .NET Core, Firebase and MSSQL.
- Implemented realtime push notifications for Doctors when patients submit forms using Firebase.
- Used Task Scheduler to send SMS to patients to check up on them periodically and store their pain scores.
- Implemented an interactive conversational system between Patients and the system via SMS using Twilio.

MIS For UPPPTDP | *PHP, MySQL*   **August 2018**
- Developed a project management system for the UP state government tourism office to support pro-poor tourism.
- Gave a presentation to the client (UP State Government) at 18 years old.

Leadership / Extracurricular

ACM Chapter SEMO   **Aug. 2020 – May 2021**
Secretary   *Southeast Missouri State University*
- Maintained the chapter's primary website.

Webster University Student Government Organization   **May. 2018 – December 2018**
Treasurer   *Webster University Thailand*
- Maintained the funds for the Student Government Association.

Rotaract Club of Webster Bangkok   **Jan. 2017 – December 2018**
Treasurer   *Webster University Thailand*
- Maintained the funds for the Rotaract Club of Webster Bangkok.